

## Abstract

Formulations comprising bacterial of non-toxigenic strain *Paenibacillus*  
5 *polymyxa* or the cell-free filtrate obtained from its culture broth are  
provided as biological agents for control of plant pathogens. Particularly,  
the formulation of this invention is effective not only in inhibiting  
bacterial wilt and other plant diseases such as seedling Rhizoctonia,  
damping off (*Pythium aphanidermatum*) , tomato Fusarium wilt,  
10 eggplant Fusarium wilt, cucumber Fusarium wilt, Tobacco brown leaf  
spot (*Alternaria altelnata*) and Soybean Fusarium root rot (*Fusarium*  
*orthocreras*) , but also in promoting plant growth.

15

20